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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/670,563	09/26/2003	Gerhardt Kumpe	06478.1494	8137
22852 7590 07/20/2007 FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER LLP 901 NEW YORK AVENUE, NW WASHINGTON, DC 20001-4413			EXAMINER ROOKE, AGNES BEATA	
			ART UNIT 1656	PAPER NUMBER
			MAIL DATE 07/20/2007	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/670,563

Applicant(s)

KUMPE ET AL.

Examiner

Agnes B. Rooke

Art Unit

1656

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 15 June 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-13 and 15-24 is/are pending in the application.
- 4a) Of the above claim(s) 1-9 and 16-18 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 10-13, 15, 19-24 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

Art Unit: 1656

DETAILED ACTION

THE FINALITY OF THE PREVIOUS OFFICE ACTION IS WITHDRAWN AND THE PROSECUTION OF THE APPLICATION IS THUS REOPEN

This non-final office action is in response to the paper filed on 6/15/2007.

Status of Claims

Claims 1-24 are pending. Claims 1-9 and 16-18 are withdrawn. Claims 10-13, 15, and 19-24 are pending and are currently under examination.

Rejections Withdrawn

All rejections are withdrawn in view of the amendments to the claims presented in the set of claims on 6/15/2007. The amendments to the claims are entered.

New Rejections

Claim Rejections - 35 USC § 112

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

Claims 10-13, 15, and 19-24 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the enablement requirement. The claim(s) contains subject matter, which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention.

In *In re Wands*, 8 USPQ2d 1400 (Fed. Cir., 1988) eight factors should be addressed in determining enablement.

1.) The nature of the invention: The claimed invention is drawn to a method for producing a concentrate of factor VIII:C containing vWF comprising fractional precipitation using an alkali metal salt and an amino acid glycine, for example, wherein the concentrate has high molecular weight multimers of vWF and the ratio of ristocetin cofactor to vWF is greater than 1.

2.) The breadth of the claims: the claims are broad because they refer to a process for producing a concentrate of factor VIII:C-containing von Willebrand factor (vWF/FVIII:C) wherein the concentrate has a ratio of vWF:RcoF to vWFAg of greater than 1.

3.) The predictability or unpredictability of the art: / 7.) The state of the prior art: The prior art, Heimburger et al., Factor VIII Concentrate, Highly-Purified and Heated in Solution, Drug Res. 31(I), Nr. 4 (1981) (See original German article and the English translation of the article as attached to this office action), teaches a method that is the same as the instant method wherein a solution is fractionally precipitated using aluminum hydroxide (an alkali metal) and glycine. See page 3, and Table 1, on page 7, of the English translation. Table 2, of the English translation depicts composition of the factor VIII concentrates and comparison to a commercial product, where the ratio of ristocetin to vWF is less than 1. See calculation where values were used from Table 2, page 11 of the English translation: $FVIII:RcoF=23.6$; $FVIIR:Ag/FVIII:C=3$; $FVIII:C=25$; thus $FVIIR:Ag=75$ thus $FVIII:RcoF/FVIII R:Ag=23.6/75=0.314$ thus less than 1.

Therefore, the instant invention is unpredictable because the instant method claimed does not produce a concentrate in which the ratio of ristocetin to vWF is greater than 1 because the prior art reference teaches that the same method steps produce a concentrate in which the ratio is less than 1. Thus, according to the method instantly claimed, it appears that steps to produce a concentrate of ristocetin to vWF greater than 1 are not claimed.

4.) & 5.) The amount of direction or guidance presented:/The presence or absence of working examples: the working examples 1 and 2 and Table 1 on pages 10 and 11, present calculations that a concentrate of ristocetin to vWF is greater than 1.

6.) The quantity of experimentation necessary: there is a large quantity of experimentation necessary to determine whether the method claimed, i.e. a process for producing a concentrate of a vWF/FVIII:C where the concentrate has a ratio of vWF:RcoF to vWF:Ag that is greater than 1, is actually claimed since the prior art by Heimburger et al. clearly teaches the same method that utilizes the same steps where the ratio for the same compositions is less than 1.

8.) Level of skill in the art: the level of skill in this art is high.

In consideration of each of factors 1-8, it is apparent that there is undue experimentation because of variability in prediction of outcome that is not addressed by the present application disclosure, examples, teaching, and guidance presented. Absent factual data to the contrary, the amount and level of experimentation needed is undue.

Conclusion

No claims are allowed.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Agnes Rooke whose telephone number is 571-272-2055. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kathleen Kerr Bragdon can be reached at 571-272-0931. The fax phone number for the organization where this application or proceeding is assigned is 571-272-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have any questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197.

AR


KAREN COCHRANE CARLSON, PH.D
PRIMARY EXAMINER